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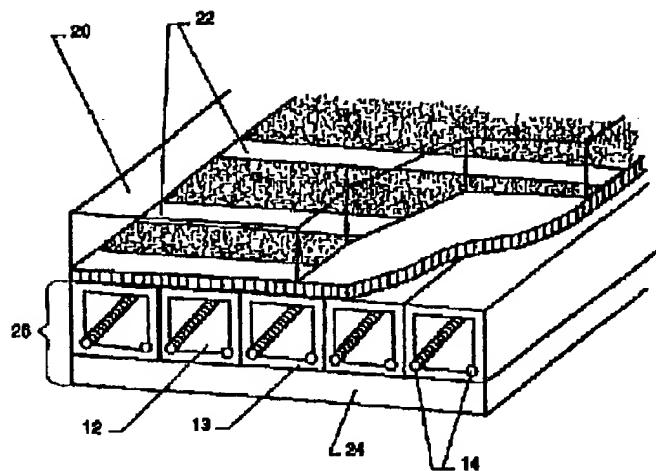
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APPLICANT : CORNING INC;

INVENTOR : DONALD M TOROTTER JR;

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TITLE : GLASS STRUCTURE FOR
INFORMATION DISPLAY DEVICE AND
MANUFACTURE THEREOF



ABSTRACT : PROBLEM TO BE SOLVED: To provide a precise barrier structure having a flat and vertical wall by drawing a glass form into a fiber having a smaller diameter, and assembling the drawn fibers so as to form the rib/channel structure appropriate for an electronic display device.

SOLUTION: An appropriately formed glass pre-form is drawn into a glass fiber 13, and the glass fibers 13 are assembled so as to form an array 26. Corners of a channel 12 are formed with an electrode 14. During the fiber drawing process, a wire electrode is drawn, and the conductive ink is drawn into a recessed part inside the fibers by the capillary action, and the fiber is inserted into the recessed part, or a second small fiber, which carries an electrode in both ends thereof, is inserted. With this structure using a drawn wire electrode, the merit is that the glass is contracted in the periphery of the wire for fitting so as to hold the wire, but the glass is not bound.

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